

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Washington

Primary Renewable Energy Capacity Source	Hydro Conventional	
Primary Renewable Energy Generation Source	Hydro Conventional	
<u>Capacity (megawatts)</u>	<u>Value</u>	<u>Percent of State Total</u>
Total Net Summer Electricity Capacity	29,494	100.0
Total Net Summer Renewable Capacity	22,919	77.7
Geothermal	-	-
Hydro Conventional	21,203	71.9
Solar	1	*
Wind	1,365	4.6
Wood/Wood Waste	314	1.1
MSW/Landfill Gas	36	0.1
Other Biomass	-	-
<u>Generation (thousand megawatthours)</u>		
Total Electricity Net Generation	110,828	100.0
Total Renewable Net Generation	82,575	74.5
Geothermal	-	-
Hydro Conventional	77,637	70.1
Solar	-	0.0
Wind	3,657	3.3
Wood/Wood Waste	1,113	1.0
MSW Biogenic/Landfill Gas	156	0.1
Other Biomass	12	*

* = Absolute percentage less than 0.05.

- = No data reported.

Notes: Hydro Conventional does not include pumped storage. Solar includes solar thermal and photovoltaic. MSW = Municipal Solid Waste. Other Biomass includes agricultural byproducts/crops, sludge waste and other biomass solids, liquids and gases. MSW Biogenic includes paper and paper board, wood, food, leather, textiles and yard trimmings. Totals may not equal sum of components due to independent rounding.

Sources: Capacity: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." Generation: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 2. State Total Electric Power Industry Net Summer Capacity, by Energy Source, 2004 - 2008 (Megawatts)

Washington

Energy Source	2004	2005	2006	2007	2008
Fossil	4,459	4,439	4,436	4,343	5,130
Coal	1,407	1,405	1,405	1,405	1,376
Petroleum	39	40	40	4	4
Natural Gas	3,013	2,994	2,991	2,933	3,750
Other Gases	-	-	-	-	-
Nuclear	1,122	1,131	1,131	1,131	1,131
Renewables	21,678	21,907	22,343	22,828	22,919
Pumped Storage	314	314	314	314	314
Other	-	-	-	-	-
Total	27,573	27,791	28,224	28,615	29,494

- = No data reported.

Notes: Petroleum includes petroleum liquids, petroleum coke, and waste oil. Natural Gas includes single-fired and dual-fired plants operating on natural gas. Other Gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels. Renewables include conventional hydro and other renewable technologies. Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tires and miscellaneous technologies. For cofired plants, all of the capacity is assigned to the primary energy source. Totals may not equal sum of components due to independent rounding.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. State Renewable Electric Power Industry Net Summer Capacity, by Energy Source, 2004 - 2008 (Megawatts)

Washington

Energy Source	2004	2005	2006	2007	2008
Geothermal	-	-	-	-	-
Hydro Conventional	21,070	21,146	21,156	21,333	21,203
Solar	-	-	-	1	1
Wind	243	393	821	1,162	1,365
Wood/Wood Waste	326	328	326	296	314
MSW/Landfill Gas	35	35	35	36	36
Other Biomass	4	4	4	-	-
Total	21,678	21,907	22,343	22,828	22,919

- = No data reported.

Notes: Hydro Conventional does not include pumped storage. Other Biomass includes agricultural byproducts/crops, sludge waste and other biomass solids, liquids and gases. Solar includes solar thermal and photovoltaic. MSW = Municipal Solid Waste. Totals may not equal sum of components due to independent rounding.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 4. State Total Electric Power Industry Net Generation, by Energy Source, 2004 - 2008
(Thousand Megawatthours)

Washington

Energy Source	2004	2005	2006	2007	2008
Fossil	19,239	19,462	14,255	16,215	18,879
Coal	10,409	10,494	6,373	8,557	8,762
Petroleum	86	67	38	37	35
Natural Gas	8,469	8,579	7,495	7,287	9,809
Other Gases	275	322	349	334	272
Nuclear	8,982	8,242	9,328	8,109	9,270
Renewables	73,887	74,188	84,510	82,560	82,575
Pumped Storage	-10	8	47	45	49
Other	67	65	62	62	56
Total	102,165	101,966	108,203	106,990	110,828

Notes: Petroleum includes petroleum liquids, petroleum coke, and waste oil. Natural Gas includes single-fired and dual-fired plants operating on natural gas. Other Gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels. Renewables include conventional hydro and other renewable technologies. Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tires, non-biogenic MSW and miscellaneous technologies. For cofired plants, generation is prorated on the basis of energy source shares. Totals may not equal sum of components due to independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report," and predecessor forms.

Table 5. State Renewable Electric Power Industry Net Generation, by Energy Source, 2004 - 2008
(Thousand Megawatthours)

Washington

Energy Source	2004	2005	2006	2007	2008
Geothermal	-	-	-	-	-
Hydro Conventional	71,576	72,075	82,008	78,829	77,637
Solar	-	-	-	-	-
Wind	737	498	1,038	2,438	3,657
Wood/Wood Waste	1,389	1,425	1,281	1,116	1,113
MSW Biogenic/Landfill Gas	164	171	165	163	156
Other Biomass	22	20	19	13	12
Total	73,887	74,188	84,510	82,560	82,575

- = No data reported.

Notes: Hydro Conventional does not include pumped storage. Other Biomass includes agricultural byproducts/crops, sludge waste and other biomass solids, liquids and gases. Solar includes solar thermal and photovoltaic. MSW = Municipal Solid Waste. MSW Biogenic includes paper and paper board, wood, food, leather, textiles and yard trimmings. Totals may not equal sum of components due to independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report," and predecessor forms.